

COC #208

11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244 (425) 420-9200 FAX 420-9210
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20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711 (541) 383-9310 FAX 382-7588

CHAIN OF CUSTODY REPORT

Work Order #: **M107057**

CLIENT: BRISTOL			INVOICE TO: BRISTOL										TURNAROUND REQUEST in Business Days* Organic & Inorganic Analyses <div style="display: flex; justify-content: space-around;"> <div>10 7 5 4 3 2 1 <1</div> <div>STD.</div> <div>5 4 3 2 1 <1</div> </div> Petroleum Hydrocarbon Analyses <div style="display: flex; justify-content: space-around;"> <div>5 4 3 2 1 <1</div> <div>STD.</div> <div>OTHER Please Specify</div> </div> <p><small>*Turnaround Requests less than standard may incur Rush Charges.</small></p>					
REPORT TO: ANNE KRANAWETTER			P.O. NUMBER: 21090															
ADDRESS: AMCHITKA, AK			PROJECT NAME: AMCHITKA															
PHONE: 907-770-0974 FAX: 770-0975			PROJECT NUMBER: 21090															
SAMPLED BY: KLP/ARX			REQUESTED ANALYSES															
CLIENT SAMPLE IDENTIFICATION		SAMPLING DATE/TIME	PCBs	Metals											MATRIX (W, S, O)	# OF CONT.	COMMENTS	NCA WO ID
1. OIA																		
2. OIA MLA01SL		7/29/01 1510	X	X											S	2		
3. OIA MLA06SL		7/29/01 1520	X	X											S	2		
4. OIA MLA15SL		7/29/01 1530	X	X											S	2		
5. OIA MLA10SL		7/29/01 1541	X	X											S	2		
6. OIA MLA41SL		7/29/01 1547	X	X											S	2		
7. OIA MLA24SL		7/29/01 1605	X	X											S	2		
8.																		
9.																		
10.																		
11.																		
12.																		
13.																		
14.																		
15.																		

RELINQUISHED BY: Kyle Peterson		FIRM: BRISTOL		DATE: 7/29/01	RECEIVED BY: Craig Briddle		FIRM: NCA		DATE: 7/29/01
PRINT NAME:				TIME: 1730	PRINT NAME:				TIME: 1730
RELINQUISHED BY:		FIRM:		DATE:	RECEIVED BY:		FIRM:		DATE:
PRINT NAME:				TIME:	PRINT NAME:				TIME:

ADDITIONAL REMARKS: **Metals Analysis includes Arsenic, Cadmium, Chromium, Pb, Mercury, Selenium, & Silver**
41SL was sampled beneath the liner

COC REV 3/99

TEMP: **8.7°C**

PAGE **1** OF **1**



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541.383.9310 fax 541.382.7588

7 December, 2001

Anne Kranawetter
Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 07/29/01 17:30. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson
Environmental Group Leader

Work Orders included in this report:

M107057



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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
08/14/01 10:21

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMLA01SL	M107057-01	Soil	07/29/01 15:10	07/29/01 17:30
01AMLA06SL	M107057-02	Soil	07/29/01 15:20	07/29/01 17:30
01AMLA15SL	M107057-03	Soil	07/29/01 15:30	07/29/01 17:30
01AMLA10SL	M107057-04	Soil	07/29/01 15:41	07/29/01 17:30
01AMLA41SL	M107057-05	Soil	07/29/01 15:47	07/29/01 17:30
01AMLA24SL	M107057-06	Soil	07/29/01 16:05	07/29/01 17:30

COC # 208

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network

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2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
08/14/01 10:21

Polychlorinated Biphenyls per EPA Method 8082
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
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01AMLA01SL (M107057-01) Soil

Sampled: 07/29/01 Received: 07/29/01

Aroclor 1016	ND	147	ug/kg dry	1	EPA 8082	07/30/01	07/30/01	0107111	
Aroclor 1221	ND	295	"	"	"	"	"	"	
Aroclor 1232	ND	147	"	"	"	"	"	"	
Aroclor 1242	ND	147	"	"	"	"	"	"	
Aroclor 1248	ND	147	"	"	"	"	"	"	
Aroclor 1254	ND	147	"	"	"	"	"	"	
Aroclor 1260	ND	147	"	"	"	"	"	"	
Surr: 2,4,5,6-Tetrachloro-m-xylene	75.4 %	55-130							
Surr: Decachlorobiphenyl	60.7 %	55-130							

01AMLA06SL (M107057-02) Soil

Sampled: 07/29/01 Received: 07/29/01

Aroclor 1016	ND	148	ug/kg dry	1	EPA 8082	07/30/01	07/30/01	0107111	
Aroclor 1221	ND	296	"	"	"	"	"	"	
Aroclor 1232	ND	148	"	"	"	"	"	"	
Aroclor 1242	ND	148	"	"	"	"	"	"	
Aroclor 1248	ND	148	"	"	"	"	"	"	
Aroclor 1254	ND	148	"	"	"	"	"	"	
Aroclor 1260	ND	148	"	"	"	"	"	"	
Surr: 2,4,5,6-Tetrachloro-m-xylene	77.5 %	55-130							
Surr: Decachlorobiphenyl	62.2 %	55-130							

01AMLA15SL (M107057-03) Soil

Sampled: 07/29/01 Received: 07/29/01

Aroclor 1016	ND	144	ug/kg dry	1	EPA 8082	07/30/01	07/30/01	0107111	
Aroclor 1221	ND	288	"	"	"	"	"	"	
Aroclor 1232	ND	144	"	"	"	"	"	"	
Aroclor 1242	ND	144	"	"	"	"	"	"	
Aroclor 1248	ND	144	"	"	"	"	"	"	
Aroclor 1254	ND	144	"	"	"	"	"	"	
Aroclor 1260	ND	144	"	"	"	"	"	"	
Surr: 2,4,5,6-Tetrachloro-m-xylene	72.3 %	55-130							
Surr: Decachlorobiphenyl	57.6 %	55-130							

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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
08/14/01 10:21

Polychlorinated Biphenyls per EPA Method 8082
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
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01AMLA10SL (M107057-04) Soil

Sampled: 07/29/01 Received: 07/29/01

Aroclor 1016	ND	147	ug/kg dry	1	EPA 8082	07/30/01	07/30/01	0107111	
Aroclor 1221	ND	295	"	"	"	"	"	"	
Aroclor 1232	ND	147	"	"	"	"	"	"	
Aroclor 1242	ND	147	"	"	"	"	"	"	
Aroclor 1248	ND	147	"	"	"	"	"	"	
Aroclor 1254	ND	147	"	"	"	"	"	"	
Aroclor 1260	ND	147	"	"	"	"	"	"	
<i>Surr: 2,4,5,6-Tetrachloro-m-xylene</i>	78.1 %	55-130							
<i>Surr: Decachlorobiphenyl</i>	61.4 %	55-130							

01AMLA41SL (M107057-05) Soil

Sampled: 07/29/01 Received: 07/29/01

Aroclor 1016	ND	146	ug/kg dry	1	EPA 8082	07/30/01	07/30/01	0107111	
Aroclor 1221	ND	291	"	"	"	"	"	"	
Aroclor 1232	ND	146	"	"	"	"	"	"	
Aroclor 1242	ND	146	"	"	"	"	"	"	
Aroclor 1248	ND	146	"	"	"	"	"	"	
Aroclor 1254	ND	146	"	"	"	"	"	"	
Aroclor 1260	ND	146	"	"	"	"	"	"	
<i>Surr: 2,4,5,6-Tetrachloro-m-xylene</i>	88.4 %	55-130							
<i>Surr: Decachlorobiphenyl</i>	66.1 %	55-130							

01AMLA24SL (M107057-06) Soil

Sampled: 07/29/01 Received: 07/29/01

Aroclor 1016	ND	148	ug/kg dry	1	EPA 8082	07/30/01	07/30/01	0107111	
Aroclor 1221	ND	295	"	"	"	"	"	"	
Aroclor 1232	ND	148	"	"	"	"	"	"	
Aroclor 1242	ND	148	"	"	"	"	"	"	
Aroclor 1248	ND	148	"	"	"	"	"	"	
Aroclor 1254	ND	148	"	"	"	"	"	"	
Aroclor 1260	ND	148	"	"	"	"	"	"	
<i>Surr: 2,4,5,6-Tetrachloro-m-xylene</i>	83.0 %	55-130							
<i>Surr: Decachlorobiphenyl</i>	63.2 %	55-130							

North Creek Analytical - Mobile Lab

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Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
08/14/01 10:21

Physical Parameters per APHA/ASTM/EPA Methods
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMLA01SL (M107057-01) Soil					Sampled: 07/29/01 Received: 07/29/01				
% Solids	74.8	0.0100 % by Weight		1	Gravimetric	07/30/01	07/31/01	0107112	
01AMLA06SL (M107057-02) Soil					Sampled: 07/29/01 Received: 07/29/01				
% Solids	77.1	0.0100 % by Weight		1	Gravimetric	07/30/01	07/31/01	0107112	
01AMLA15SL (M107057-03) Soil					Sampled: 07/29/01 Received: 07/29/01				
% Solids	77.2	0.0100 % by Weight		1	Gravimetric	07/30/01	07/31/01	0107112	
01AMLA10SL (M107057-04) Soil					Sampled: 07/29/01 Received: 07/29/01				
% Solids	74.2	0.0100 % by Weight		1	Gravimetric	07/30/01	07/31/01	0107112	
01AMLA41SL (M107057-05) Soil					Sampled: 07/29/01 Received: 07/29/01				
% Solids	79.2	0.0100 % by Weight		1	Gravimetric	07/30/01	07/31/01	0107112	
01AMLA24SL (M107057-06) Soil					Sampled: 07/29/01 Received: 07/29/01				
% Solids	75.1	0.0100 % by Weight		1	Gravimetric	07/30/01	07/31/01	0107112	

North Creek Analytical - Mobile Lab

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Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
08/14/01 10:21

Polychlorinated Biphenyls per EPA Method 8082 - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0107111 - 3545 ASE

Blank (0107111-BLK1)

Prepared & Analyzed: 07/30/01

Aroclor 1016	ND	150	ug/kg wet
Aroclor 1221	ND	301	"
Aroclor 1232	ND	150	"
Aroclor 1242	ND	150	"
Aroclor 1248	ND	150	"
Aroclor 1254	ND	150	"
Aroclor 1260	ND	150	"

<i>Surr: 2,4,5,6-Tetrachloro-m-xylene</i>	59.6		"	66.7	89.4	55-130
<i>Surr: Decachlorobiphenyl</i>	53.8		"	66.7	80.7	55-130

LCS (0107111-BS1)

Prepared & Analyzed: 07/30/01

S-13

Aroclor 1254	1600	301	ug/kg wet	1670	95.8	55-130
<i>Surr: 2,4,5,6-Tetrachloro-m-xylene</i>	55.5		"	66.7	83.2	55-130
<i>Surr: Decachlorobiphenyl</i>	45.5		"	66.7	68.2	55-130

Matrix Spike (0107111-MS1)

Source: M107057-01

Prepared & Analyzed: 07/30/01

S-13

Aroclor 1254	2430	334	ug/kg dry	2400	ND	101	55-130
<i>Surr: 2,4,5,6-Tetrachloro-m-xylene</i>	81.4		"	96.0		84.8	55-130
<i>Surr: Decachlorobiphenyl</i>	65.1		"	96.0		67.8	55-130

Matrix Spike Dup (0107111-MSD1)

Source: M107057-01

Prepared & Analyzed: 07/30/01

S-13

Aroclor 1254	2250	334	ug/kg dry	2400	ND	93.8	55-130	7.69	40
<i>Surr: 2,4,5,6-Tetrachloro-m-xylene</i>	72.4		"	95.8		75.6	55-130		
<i>Surr: Decachlorobiphenyl</i>	60.1		"	95.8		62.7	55-130		

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
08/14/01 10:21

Notes and Definitions

S-13 Surrogate recoveries reported from original, undiluted analysis; analyte(s) reported from analysis of sample dilution.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.

wet Sample results reported on a wet weight basis (as received)

RPD Relative Percent Difference

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Environmental Laboratory Network

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Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Report recreated from: \\sisters\elmnt\Report\M107057 FINAL 08 14 01 1021.mdb Default Report (not modified)
0107111-BS1	8082 PCB		S-13
0107111-MS1	8082 PCB		S-13
0107111-MSD1	8082 PCB		S-13